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1 **Secure in-band update of trusted certificates**
Hayes, J.M.;
Enabling Technologies: Infrastructure for Collaborative Enterprises, 1999. (W
ICE '99) Proceedings. IEEE 8th International Workshops on , 16-18 June 199!
Pages:168 - 173

[Abstract]   [PDF Full-Text (40 KB)]   **IEEE CNF**

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1 **External hashing with limited internal storage**   ☐
Gaston H. Gonnet, Per-Åke Larson
January 1988 **Journal of the ACM (JACM)**, Volume 35 Issue 1

Full text available: 📄 pdf(1.60 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

> The following problem is studied: How, and to what extent, can the retrieval speed of external hashing be improved by storing a small amount of extra information in internal storage? Several algorithms that guarantee retrieval in one access are developed and analyzed. In the first part of the paper, a restricted class of algorithms is studied, and a lower bound on the amount of extra storage is derived. An algorithm that achieves this bound, up to a constant difference, is also given. In th ...

2 **Session 9: External hasing with limited internal storage**   ☐
Gaston H. Gonnet, Per Åke Larson
March 1982 **Proceedings of the 1st ACM SIGACT-SIGMOD symposium on Principles of database systems**

Full text available: 📄 pdf(559.02 KB)   Additional Information: full citation, references

3 **Median split trees: a fast lookup technique for frequently occuring keys**   ☐
B. A. Sheil
November 1978 **Communications of the ACM**, Volume 21 Issue 11

Full text available: 📄 pdf(1.26 MB)   Additional Information: full citation, abstract, references, citings, index terms

> Split trees are a new technique for searching sets of keys with highly skewed frequency distributions. A split tree is a binary search tree each node of which contains two key values—a node value which is a maximally frequent key in that subtree, and a split value which partitions the remaining keys (with respect to their lexical ordering) between the left and right subtrees. A median split tree (MST) uses the lexical median of a node ...

> **Keywords:** Zipf's Law, balanced trees, binary search, dictionary lookup, heaps, information retrieval, tree search

4 Smart Cards and Biometrics: The cool way to make secure transactions
David Corcoran, David Sims, Bob Hillhouse
March 1999 **Linux Journal**

Full text available: html(22.95 KB)   Additional Information: full citation, index terms

5 Dictionary machines with a small number of processors
Allan L. Fisher
January 1984 **ACM SIGARCH Computer Architecture News , Proceedings of the 11th annual international symposium on Computer architecture**, Volume 12 Issue 3

Full text available: pdf(711.55 KB)   Additional Information: full citation, abstract, references, citings, index terms

A number of tree-structured multiprocessor designs have been proposed for performing a group of dictionary operations (INSERT, DELETE, EXTRACTMIN, NEAR, etc.) on a set of keys. These designs typically use one processor for each key stored and operate with constant throughput, assuming unit time to communicate and compare keys. This assumption breaks down in applications with long keys. This paper describes a machine which uses a number of processors proportional to the maximum length of a k ...

6 Some cryptographic principles of authentication in electronic funds transfer systems
C. H. Meyer, S. M. Matyas
October 1981 **Proceedings of the seventh symposium on Data communications**

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One essential requirement of an Electronic Funds Transfer (EFT) system is that institutions must be able to join together in a common EFT network such that a member of one institution can initiate transactions at entry points in the domain of another institution. The use of such a network is defined as interchange. Cryptographic implementations are developed for such a network in such a way as to keep personal verification and message authentication processes at diffe ...

7 A model for automating file and program design in business application systems
Steven Alter
June 1979 **Communications of the ACM**, Volume 22 Issue 6

Full text available: pdf(855.77 KB)   Additional Information: full citation, abstract, references, citings

This paper discusses a model for finding an efficient implementation of a business application system whose logical specifications have been determined in advance. The model views file and program design as a problem of systematically coordinating the configurations of datasets and computations. It uses a straightforward search technique to determine aggregations of computations, aggregations of datasets, device, organization, and key order for each dataset, key order for each computation, ...

Keywords: automatic programming, configurations, design choices, search methods, system configurations, system design

8 Scapegoat trees
Igal Galperin, Ronald L. Rivest
January 1993 **Proceedings of the fourth annual ACM-SIAM Symposium on Discrete algorithms**

Full text available: pdf(1.02 MB)   Additional Information: full citation, references, citings, index terms

9 Routing on longest-matching prefixes
Willibald Doeringer, Günter Karjoth, Mehdi Nassehi
February 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 1
Full text available: pdf(1.43 MB)   Additional Information: full citation, references, citings, index terms

10 Uncoupling updating and rebalancing in chromatic binary search trees
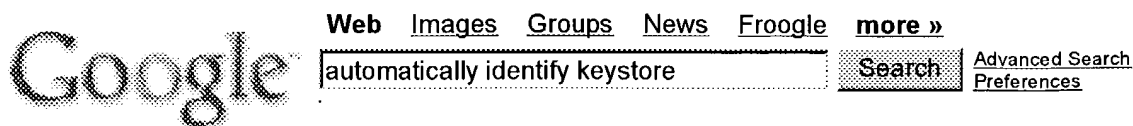Otto Nurmi, Eljas Soisalon-Soininen
April 1991 **Proceedings of the tenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**
Full text available: pdf(724.54 KB)   Additional Information: full citation, references, citings, index terms

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